

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP 03/13050

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K7/42 A61K7/48 A61K7/06 B01F17/00 B01F17/52  
B01F17/54

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K B01F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 127 570 A (NANOCARRIER CO LTD) 29 August 2001 (2001-08-29) claims 1-3,7	1-6,8-11
X	WO 01/12718 A (SEO MIN HYU ;CHOI IN JA (KR); SAMYANG CORP (KR)) 22 February 2001 (2001-02-22) claim 15; example 9; table 1	1,4-6, 8-12
X	US 6 322 805 B1 (KIM SUNG-CHUL ET AL) 27 November 2001 (2001-11-27) claim 1; examples 1,2; table 1	1,4-6, 8-11
X	EP 0 870 781 A (BASF AG) 14 October 1998 (1998-10-14)  page 5, lines 9-14; claims 1-10	1,9,10, 12,18, 21,22
	----- -/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*&\* document member of the same patent family

Date of the actual completion of the international search

26 April 2004

Date of mailing of the international search report

04/05/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax (+31-70) 340-3016

Authorized officer

de La Morinerie, B

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/13050

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	FR 2 085 902 A (OREAL) 31 December 1971 (1971-12-31) the whole document -----	18,21,22
X	FR 2 155 901 A (OREAL) 25 May 1973 (1973-05-25) the whole document -----	18,21
X	FR 2 140 977 A (OREAL) 19 January 1973 (1973-01-19) the whole document -----	18,21,22
X	EP 1 125 574 A (GOLDSCHMIDT AG TH) 22 August 2001 (2001-08-22) the whole document -----	18,21,22
X	WO 00/12660 A (JAKOBS BRITTA ;RICHTER DIETER (DE); SOTTMANN THOMAS (DE); STREY RE) 9 March 2000 (2000-03-09) page 4 - page 5 -----	1-10
P,X	EP 1 302 197 A (OREAL) 16 April 2003 (2003-04-16)  claims 1-4 -----	1-10, 12-15, 18,21,22
P,X	EP 1 281 395 A (OREAL) 5 February 2003 (2003-02-05)  the whole document -----	1-10, 12-18, 20-22
A	WO 99/47589 A (CREPEAU COLETTE ;HOERNER PIERRE (FR); HUTCHINSON (FR); RIESS GERAR) 23 September 1999 (1999-09-23) the whole document -----	1-22

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/13050

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1127570	A	29-08-2001	JP 2001226294 A CA 2334615 A1 CN 1307866 A EP 1127570 A2 US 2004056372 A1 US 2001014354 A1	21-08-2001 09-08-2001 15-08-2001 29-08-2001 25-03-2004 16-08-2001
WO 0112718	A	22-02-2001	KR 2001017804 A AU 763154 B2 AU 6479200 A CA 2381729 A1 CN 1370201 T EP 1226212 A1 JP 3363142 B1 JP 2003507514 T WO 0112718 A1 NZ 517036 A US 6616941 B1	05-03-2001 17-07-2003 13-03-2001 22-02-2001 18-09-2002 31-07-2002 08-01-2003 25-02-2003 22-02-2001 25-07-2003 09-09-2003
US 6322805	B1	27-11-2001	KR 180334 B1 AU 699988 B2 AU 7098096 A CA 2231886 A1 CN 1197396 A DE 69625921 D1 DE 69625921 T2 EP 0854731 A1 ES 2188787 T3 JP 10512287 T WO 9710849 A1	20-03-1999 17-12-1998 09-04-1997 27-03-1997 28-10-1998 27-02-2003 07-08-2003 29-07-1998 01-07-2003 24-11-1998 27-03-1997
EP 0870781	A	14-10-1998	DE 19714714 A1 CN 1199744 A EP 0870781 A1 JP 10292022 A	15-10-1998 25-11-1998 14-10-1998 04-11-1998
FR 2085902	A	31-12-1971	AT 307622 B AT 325211 B BE 765266 A1 BE 789729 A4 CA 964196 A1 CH 532954 A DE 2116787 A1 ES 389931 A1 FR 2085902 A5 GB 1324745 A IT 988318 B LU 60676 A1 NL 7104613 A ,B, SE 359737 B US 4032628 A	25-05-1973 10-10-1975 05-10-1971 05-04-1973 11-03-1975 31-01-1973 21-10-1971 16-03-1974 31-12-1971 25-07-1973 10-04-1975 10-02-1972 11-10-1971 10-09-1973 28-06-1977
FR 2155901	A	25-05-1973	FR 2155901 A2 AR 192668 A1 AT 325211 B BE 789729 A4 CA 977682 A1 CH 552406 A	25-05-1973 28-02-1973 10-10-1975 05-04-1973 11-11-1975 15-08-1974

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/13050

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
FR 2155901 A		DE 2248745 A1 GB 1383005 A IT 1024514 B NL 7213519 A US 4032628 A	12-04-1973 05-02-1975 20-07-1978 10-04-1973 28-06-1977
FR 2140977 A	19-01-1973	FR 2140977 A5	19-01-1973
EP 1125574 A	22-08-2001	CA 2335663 A1 EP 1125574 A2 JP 2001247452 A PL 345923 A1 US 2001046507 A1	19-08-2001 22-08-2001 11-09-2001 27-08-2001 29-11-2001
WO 0012660 A	09-03-2000	DE 19839054 A1 WO 0012660 A2 EP 1109883 A2 JP 2002525392 T US 2004054064 A1 US 6677293 B1	02-03-2000 09-03-2000 27-06-2001 13-08-2002 18-03-2004 13-01-2004
EP 1302197 A	16-04-2003	FR 2830773 A1 BR 0204115 A CA 2405040 A1 CN 1428141 A EP 1302197 A1 JP 2003137719 A US 2003129151 A1	18-04-2003 16-09-2003 11-04-2003 09-07-2003 16-04-2003 14-05-2003 10-07-2003
EP 1281395 A	05-02-2003	FR 2827513 A1 CN 1415280 A EP 1281395 A1 JP 2003055137 A US 2003059391 A1	24-01-2003 07-05-2003 05-02-2003 26-02-2003 27-03-2003
WO 9947589 A	23-09-1999	EP 0981573 A1 WO 9947589 A1 JP 2002501572 T US 6391326 B1	01-03-2000 23-09-1999 15-01-2002 21-05-2002